July-30-12 10:12:54 AM

Item ID: **Revision ID:** D3914-041

Accept

N900040100

Setup Start

Stop

Item Name: **Start Date:**

27/07/2012

Start Otv: 1.00 Req'd Qty: 1.00

Cust Item ID:

Customer:

Tool ID

Reference:

Sequence ID/

Approvals:

Required Date: 10/08/2012

Process Plan:

Long Basket Lid Assembly (350)

MLJ Date: 1207 30 Tooling:

Date:

Start

Run

Accept

Qty

QC:

Operation

Date: SPC (Y/N):

Date:

Tool # Plan

Code

Stop

Reject

Qty

Insp.

Stamp

Reject

Number

Work Center ID Description Draw Nbr **Revision Nbr** D3914 В D4020 Α

100

Weld per dwg A/R S.S. rod Batch: 22130 Large Fab

0.00

Set Up/

Run Hours

100

Large Fab Large Fab

Memo

0.00

1- assemble ribs, weld as per dwg D3914 using DT9607A

2- weld hinge (3) and Mounting brackets as per dwg D3914

Visual inspect before welding mesh

3- tack weld mesh on basket as per dwg D3914

Cut out mesh where label plate goes in center off basket lid as per dwg D4020-5. Make sure to place mesh correctly on lid, check with label plate before tacking mesh

110

QC9- Inspect visual per QSI004- Fusion Welds

0.00

110

QC

Memo

0.00



Quality Control

NCR:	Yes	/	No

										DQA:	Date:			
NCR: Ye	s / No				WORK ORDER NON-	COI	NFORM	MANCE / UP	DATE	QA Closed:	Date:			
Vork Order					DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No					Rework Scrap Use-as-is	Skid-tube Crosstube Machining Small Fab Thermoforming Finishing		Small Fab	-1	Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other			
NCR No	NCR No. Work Order Update							Large Fab	Composite]	Supplier			
Root Cause	Date	Step	Qty		ption of work order update or Non-conformance	1	nitial ief Eng		ction cription	Sign & Date	Verification	QC Inspector		
oc/Data quip/Tooling perator laterial etup ther roccess upplier raining napproved					.,4									
					, !	FAUL	T CATE	GORY						
Landing	Bending	ot Conce	ntric to O	/s	General Bend BOM/Route		Grain Hardwa	re		Ovalized Over/Under	tolerance	Pressure/Forced Temperature/Cure		
	Cracks Broken/Damaged Crushed/Crimped. Burrs Cuffs Contamination Heat Treat Countersink					Instruct Mainte Mislabe	led	/Unclear	Part Incorre Part Lost/Mi Part Moved Positioned V	issing Vrong	Weld Wrong Stock Pulled			
C (Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion Turning Sequence Finish					1				Other				

Wave/Twist in Tube

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

July-30-12 10:12:54 AM

Revision ID: Item Name:	D3914-041 Long Basket L 27/07/2012	id Assembly (350) Start Qty: 1.00	*1*	Accept	*N900		100)* s	etup Start Stop	1421
Required Date: Reference:		- -	*1*		Customer:					
Approvals:	Process Pla	n:	_			Date:		R	tun Start Stop	"NRT"
Sequence ID/ Work Center ID)	Operation Description QC5- Inspect part comp	oleteness to step on W/O	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Insp. Number Stamp
120 QC Quality Control		Memo	· V · 1/5	0.00					1301.	66.383
*130 *130* Powdercoat Powder Coating		Black Sandtex(Ref.4.3. Memo *** mask s Start Time, Oven Temp Finish Time	ides of thinge prior to powd	0.00				(X	13-	01-59.
140 *140* HandFinish Hand Finishing		Memo	QSI005 4.4 Batch /////2	0.00	nesh as per dwg			<u> 1 x</u>		M 13/02/0

2- Install placard and label as per dwg
***Mask label plate to size of label, use scotchbrite red pad to lightly sand area

for label, apply label ***

/k /3/02/

											DQA:	Date:	•
NCR:	Yes	/ No				WORK ORDER NON-	100	NFORM	ANCE / UPI	DATE			*
					.=						QA Closed:	Date:	•
Work Ord	er:					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part f	Part No					Rework Scrap Use-as-is Work Order Update	Skid-tube Crosstube Small Fab Thermoforming Finishing Composite			4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other	
Root					Descri	ption of work order update	Ī	Initial	Act	ion	Sign &		
Cause		Date	Step	Qty	C	or Non-conformance	Ch	nief Eng	Descr	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved			*						. •				
- · · · · · · · · · · · · · · · · · · ·						F	AUL	T CATE	GORY				
Landi		iear Bending Centre No	ot Concer	ntric to (o/s	General Bend BOM/Route		Grain Hardwa	re		Ovalized Over/Under	tolerance	Pressure/Forced Temperature/Cure
;	-	Cracks				Broken/Damaged		4	on Incomplete		Part Incorre	<u> </u>	Weld
	-	Crushed/0	Crimped.			Burrs		1	oris Incomplete/U	Jnclear	Part Lost/M	issing	Wrong Stock Pulled
	-	Cuffs			-	Contamination		Mainte		<u> </u>	Part Moved		
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	-	Inspection Strip in Tube Cut Too Short					Misread Power Loss/Surge Other				Other		
	Ripples in Bend					Drill Holes	1	Offset					

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

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Page 3

July-30-12 10:12:54 AM

Quality Control

Item ID: D3914-041 Accept *N900040100* Setup Start **Revision ID:** Item Name: Long Basket Lid Assembly (350) **Start Date:** 27/07/2012 Start Qty: 1.00 Cust Item 1D: Required Date: 10/08/2012 Req'd Qty: 1.00 **Customer:** Reference: Run Date: _____ Tooling: Approvals: **Process Plan:** Date: Stop QC: Date: SPC (Y/N): Date: Operation Sequence ID/ Tool ID Set Up/ Tool # Plan Accept Reject Reject Insp. Work Center ID Description Qty Qty **Run Hours** Code Number Stamp-150 QC3- Inspect Part Finish 0.00 *150* 0.00 Memo Quality Control Identify as per dwg & Stock Location: 6 7 160 0.00 *160* Packaging 0.00 Memo Packaging 170 QC21- Final Inspection - Work Order Release 0.00 *170* 0.00 Memo

MLJ 13-02-07

												DQA:	Date	: •	
NCR:	Yes	/ No					WORK ORDER NON-O	COI	VFORI	MANCE / UP	DATE			•	
												QA Closed:	Date	: •	
Vork Ord	ler:						DISPOSITION		AGAINST DEPARTMENT/PROCESS						
	CR No.						Scrap Scrap Therm			Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineerir Quali Othe	ty
Root					Des	cri	otion of work order update		nitial	Act	ion	Sign &			
Cause		Date	Step	Qty			or Non-conformance	1	ief Eng		ription	Date	Verification	QC Inspe	ector
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		Centre No	ot Concer	ntric to	O/S		BOM/Route	<u></u>	Hardwa		<u> </u>	Over/Under	⊢	Temperature	e/Cure
	_	Cracks				<u> </u>	Broken/Damaged		1	on Incomplete	<u> </u>	Part Incorre	⊢	Weld	
		Crushed/0	Crimped.			_	Burrs	L	1	ions Incomplete/U	Jnclear	Part Lost/Mi	issing	Wrong Stock	Pulled
	<u></u>	Cuffs	offs Contamination					Mainte	nance	· <u>L</u>	Part Moved				
	Heat Treat Countersink						Mislabe	led		Positioned V	Vrong	_			
	Inspection Strip in Tube Cut Too Short					Misread Power Loss/Surge Other									
	Ripples in Bend Drill Holes					Offset									
		Torque W	aves in E	xtrusio	n		Drawing		Out of 0	Calibration					
	Turning Sequence Finish						Out of S	equence				7.4			

Wave/Twist in Tube

Picklist Print

July-30-12 10:12:58 AM

Work Order ID: 88625

Parent Item:

D3914-041

D3914-041

Parent Item Name: Long Basket Lid Assembly (350)

Start Date: 27/07/2012

Required Date: 10/08/2012

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:A new issue DD 10.03.19 verified by:EC

as per dwg revB DD 10.08.18 verified by:EC

IPP Rev:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2581		Manufactured	No			100	Each	132.0000	2	2 /	KON,		
D2581	•								**		24	13.1	· 24

Mounting Bracket

Location	Lo	oc Qty	Loc Code		
WA		114			
82506		2			
83230		3			
85452		24			
86058		12			
86367		39			(a)
86961		34			
WA005		18	,		
70766		2	* -		
81253		1			
82897		15			
	100	Each	12.0000	2	2 . 0
			. 4	*	

D3914-1

Manufactured

No

Rib

Location	Loc Oty	Loc Code
WA	-6	
86044	10	
WA006	18	
81449	1	
82131	1	

Page 1

									•		DQA:	Date:			
NCR:	Yes	/ No				WORK ORDI	R NON-CO	NFORM	MANCE / UPE	DATE	QA Closed:	Date:	•		
						<u> </u>		T			QA Closed.	Date.			
Nork Orde	er:					DISPOS	ITION	AGAINST DEPARTMENT/PROCESS							
Part f	art No.						Rework Scrap Jse-as-is	Skid-tube Crosstube Machining Small Fab Thermoforming Finishing			4	Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other		
NCR	ICR No Work Order Update								Large Fab	Composite]	Supplier			
Root					Desc	ription of work orde	er update	Initial	Act	ion	Sign &				
Cause		Date	Step	Qty		or Non-conforman	ice Cl	hief Eng	Descr	iption	Date	Verification	QC Inspector		
oc/Data		\$ 3		74											
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ther				1 1											
rocess															
upplier															
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napproved															
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Landi	ng G	Gear				General			•				_		
		Bending			٠, ٠ [Bend		Grain			Ovalized		Pressure/Forced		
		Centre No			/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure		
		Cracks		Sil	Γ	Broken/Damaged	d .	Inspecti	on Incomplete	Γ	Part Incorred	ct 🔽	Weld		
		Crushed/Crimped. Burrs					Instruct	ions Incomplete/L	Inclear	Part Lost/Mi	ssing	Wrong Stock Pulled			
	Cuffs Contamination					Mainte	nance		Part Moved		-				
	Heat Treat Countersink					<u> </u>	Mislabe	led		Positioned V	Vrong				
	Inspection Strip in Tube Cut Too Short						Misread	ł		Power Loss/	Surge	Other			
	Ripples in Bend Drill Holes						Offset								
	Torque Waves in Extrusion Drawing						Out of Calibration								
	Turning Sequence Finish						Out of Sequence								

Wave/Twist in Tube

Picklist Print

July-30:12 10:12:58 AM

Work Order ID: 88625

88625

D3914-041 Parent Item: *D3914-041* Parent Item Name: Long Basket Lid Assembly (350) **Start Date: 27/07/2012 Required Date: 10/08/2012** Start Qty: 1.00 Required Qty: 1.00 D3914-7 100 17.0000 Manufactured No Each *D3914-7* ** B88652 Location Loc Qty Loc Code WA 81209 87853 10 WA006 12 82928 3 86165 3 D4016-3 100 Each 16.0000 Manufactured No *D4016-3* ** Hinge Half, Lid B92306 Location Loc Qty Loc Code WA005 16 85776 16 D4018-5 Manufactured No 100 Each 34.0000 *D4018-5* ** Location Loc Qty Loc Code WA 33 85728 15 86325 18 WA005 80776 D4020-5 100 Each 3.0000 Manufactured No Mesh (350 Basket Long, Lid) Loc Oty Location Loc Code

July-30-12 10:12:58 AM

Shop Packet Print

3

3

WA

85410

Page 2

	,											DQA:	Date:	<u> </u>
NCR:	es /	/ No				W	ORK ORDER NON-C	O	NFORM	MANCÈ / UPI	DATE	QA Closed:	Date:	•
Vork Orde	er:						DISPOSITION				AGAINST DE			
Part N	Part No. NCR No.				Rework Scrap Use-as-is Work Order Update			Skid-tube Crosstube Machining Small Fal Thermoforming Finishin Large Fab Composite			Pro Rec/Stor	Engineering Quality Other		
Root Cause		Date	Step	Qty	Desci	•	of work order update n-conformance		nitial ief Eng	Act Descr	ion iption	Sign & Date	Verification	QC Inspector
perator laterial etup ther cocess upplier raining			4											
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Landi	Br Cr Cr Cr	g Gear Bending Centre Not Concentric to O/S Cracks Crushed/Crimped. Cuffs Heat Treat General BOM/Route Broken/Damaged Burrs Contamination Countersink					1	on Incomplete ions Incomplete/U nance	Jnclear	Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V	ssing	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled		
	-			Tube -	Countersink Cut Too Short		\vdash	Misread		-	Power Loss/		Other	
	Inspection Strip in Tube Cut Too Short Ripples in Bend Drill Holes				Offset					100.00				
	Torque Waves in Extrusion Drawing						ł	Calibration				_		
	Turning Sequence Finish						Out of S	equence				•		

Wave/Twist in Tube

Picklist Print

July-30-12 10:12:58 AM

Work Order ID: 88625

88625

No

No

Parent Item:

D3914-041

D3914-041

Parent Item Name: Long Basket Lid Assembly (350)

Start Date: 27/07/2012

Required Date: 10/08/2012

Start Qty: 1.00

Required Qty: 1.00

D4021-3

Manufactured

100

21.0000 Each

B90783

Location	Loc Qty	Loc Code
WA	21	
80897	9	1
82507	1	
85358	. 5	
87957	6	
	100 Fa	ch 10,0000

D4035-041

D4035-043

Manufactured

Manufactured

D4035-041 Lid Rib Assembly, Fwd (350 Baske

Bas	sket))

Location	<u>Lo</u>	c Qty	Loc Code
WA		10	
63720		0	
82985		1	
82986		9	
	100	Each	11.0000

Lid Rib Assembly, Aft (350 Basket)

		Location	<u>n</u>	<u>Loc</u>	Loc Code	
		WA			10	
			81452		1	
			82988		9	
		WA006			1	
			81202		1	
anufactured	No			140	Each	-2.0000

D2728-3

Dart Logo label

											DQA:	Date:	·
NCR:	Yes	/ No				WORK ORDER NON-	COI	NFORN	NANCE / UP	DATE			•
											QA Closed:	Date:	•
Work Ord	er.	,				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
				Rework Scrap		Skid-tube Crosstube			Water Jet		Engineering		
Part	Part No.					Machining Small Fab		Prod. Eng. Coor. Rec/Store/Packaging		Quality Other			
NCR I	NCR No.			Use-as-is Thermoforming Finishing Work Order Update Large Fab Composite			Composite	Rec/Stol	Other				
Root					Descri	ption of work order update		nitial	Ad	ction	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	cription	Date	Verification	QC Inspector
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	Cracks			Broken/Damaged		Inspection Incomplete			Part Incorre	ct	Weld		
	Crushed/Crimped			Burrs		Instructions Incomplete/Unclear		/Unclear	Part Lost/M		Wrong Stock Pulled		
	\vdash	Cuffs	·			Contamination	-	Maintenance			Part Moved	- L	.
	\vdash	Heat Trea	it			Countersink		Mislabe			Positioned V	Vrong	
	Inspection Strip in Tube				Cut Too Short		Misread			Power Loss/		Other	

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

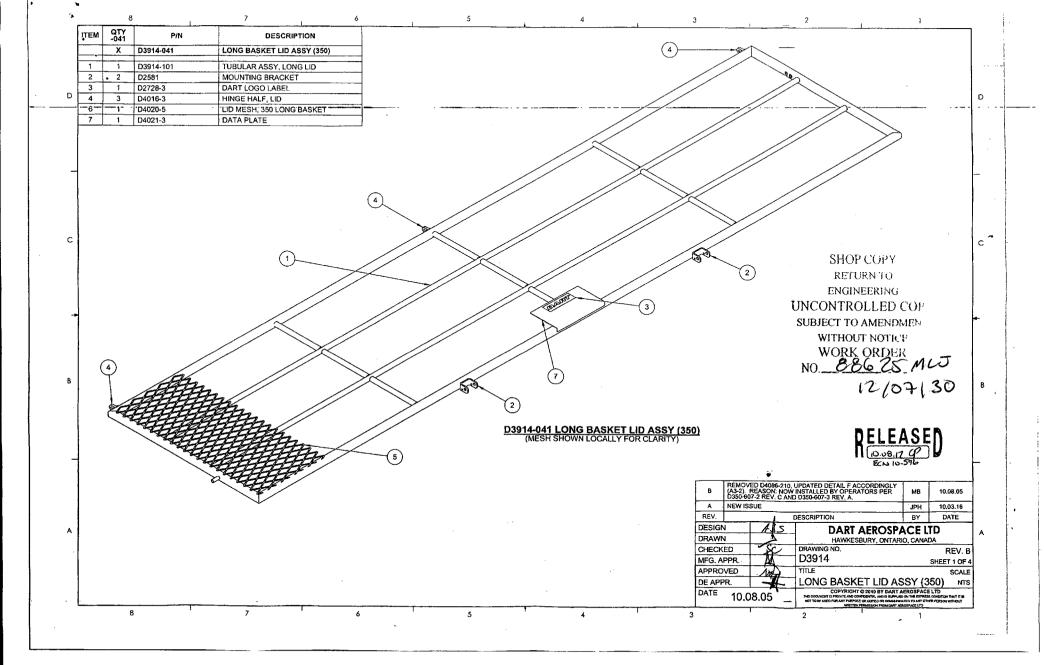
Torque Waves in Extrusion

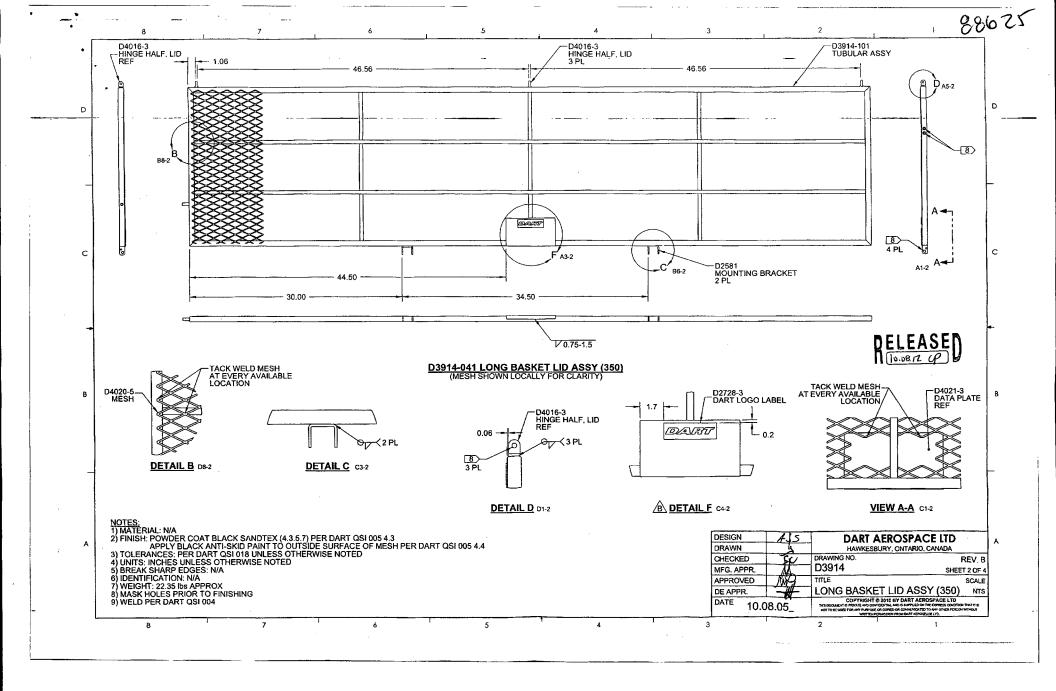
Drill Holes

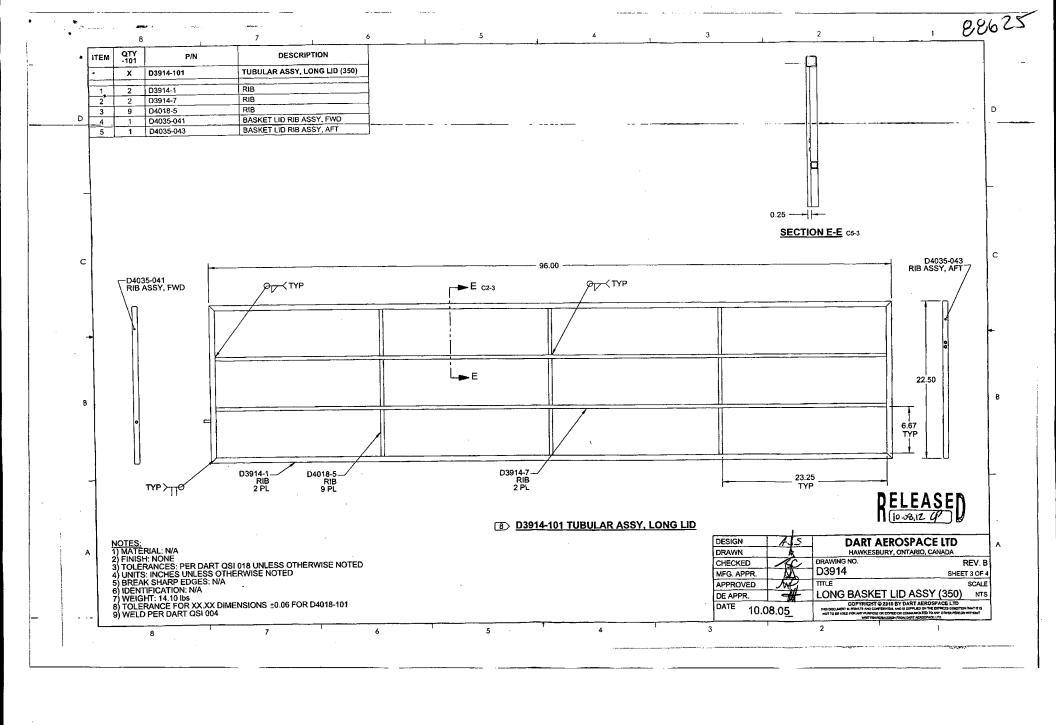
Drawing

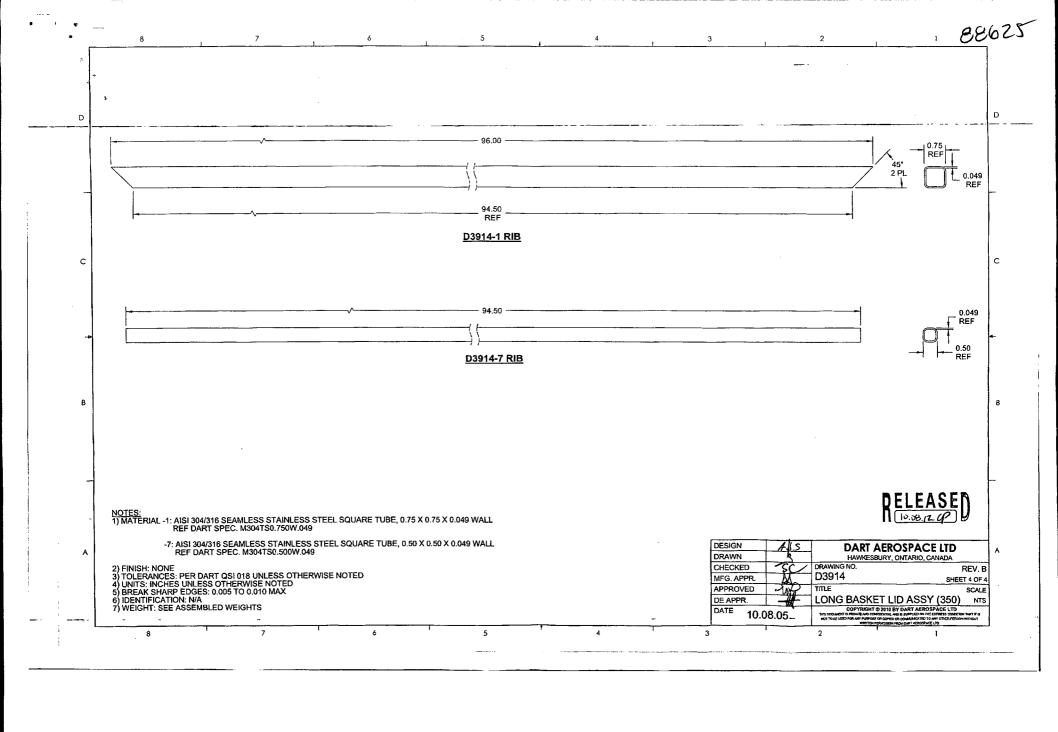
Finish

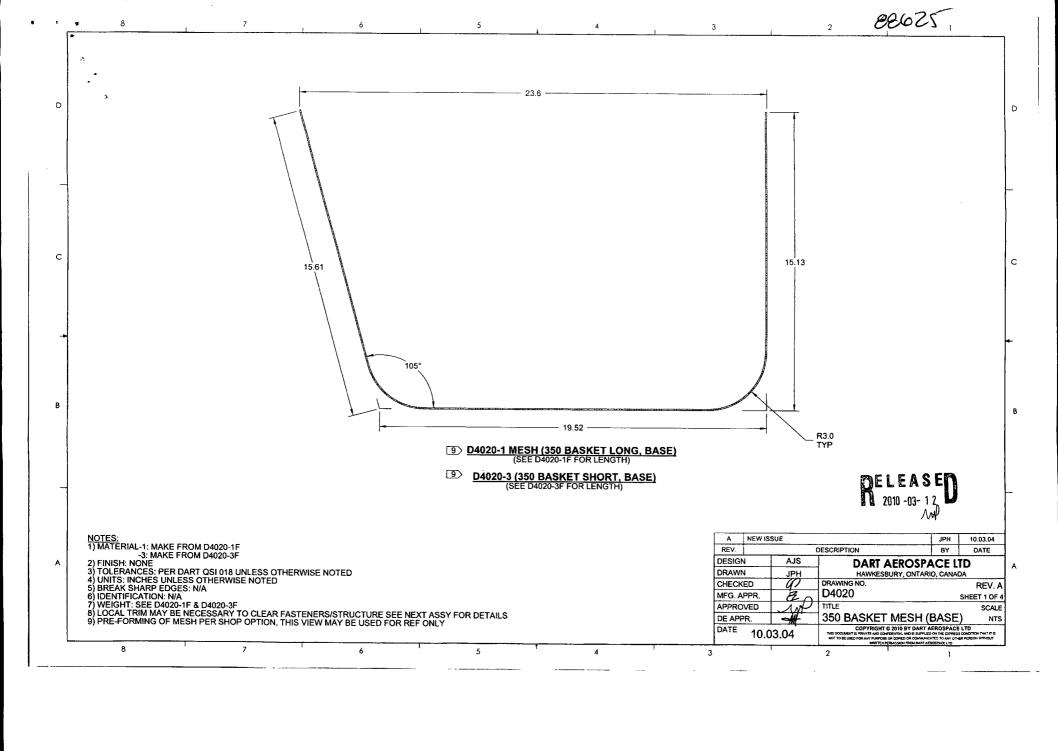
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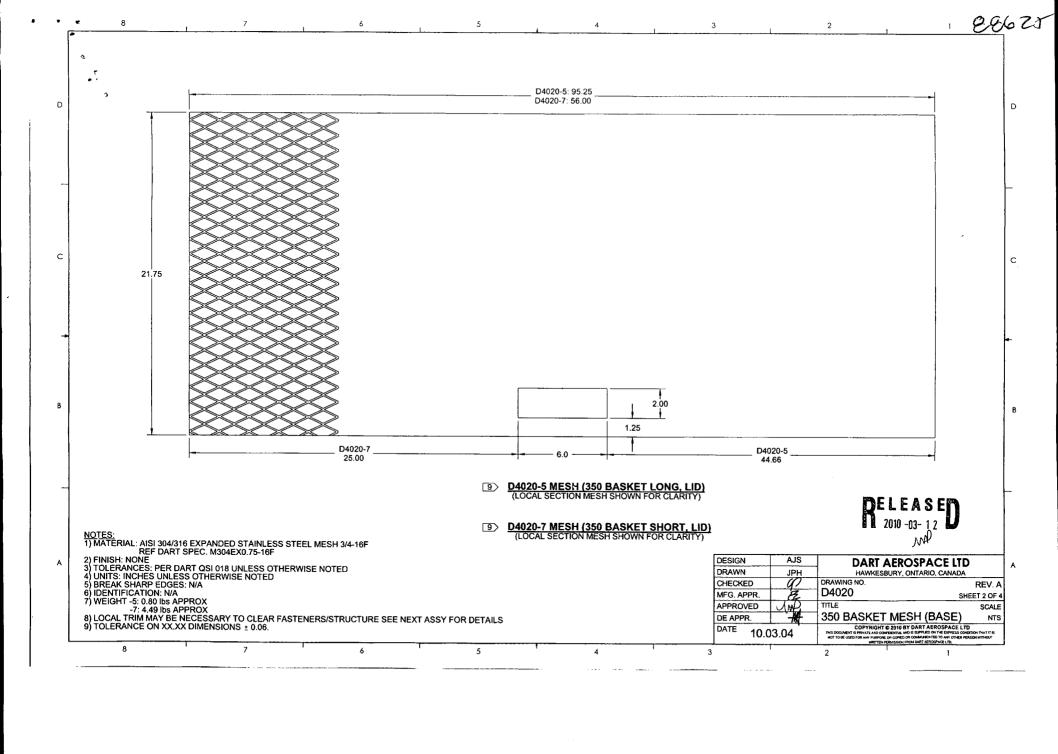












1 88625 17.31 0.40 8 R1.44 15.50 2.00 0.38 5.64 R3.38 8 2 PL 20.18 REF 9 D4020-11 END MESH, BASKET NOTES: 1) MATERIAL: AISI 304/316 EXPANDED STAINLESS STEEL MESH 3/4-16F REF DART SPEC. M304EX0.75-16F 2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: N/A
7) WEIGHT: 1.22 lbs
8) LOCAL TRIM MAY BE NECESSARY TO CLEAR FASTENERS/STRUCTURE SEE NEXT ASSY FOR DETAILS
9) TOLERANCE ON XX.XX DIMENSIONS ± 0.06. DESIGN AJS DART AEROSPACE LTD DRAWN JPH HAWKESBURY, ONTARIO, CANADA CHECKED DRAWING NO. REV. A D4020 MFG. APPR. SHEET 3 OF 4 APPROVED TITLE SCALE 350 BASKET MESH (BASE)

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